



Weather Forecast for the month of February 2023

1. Rainfall forecast

During the month of February 2023, the amount of rainfall ranging between 20 and 220 mm is expected across the country. South Western parts of the country will continue to experience increased rainfall compare to other parts of the country. The expected rainfall for the month of February 2023 will be within the range of Long-Term Mean (LTM) over many parts of the country. The three dekads of February 2023 are expected to record rainfall in the range of LTM. (LTM rainfall for the month of February ranges between 10 and 200mm).

The spatial distribution map indicates that rainfall amount between 180 and 220 mm is anticipated over Rusizi and Nyamasheke Districts and western parts of Nyamagabe and Nyaruguru Districts while rainfall amount between 140 and 180 mm is expected in many areas of Karongi and Rutsiro Districts and central parts of Nyamagabe and Nyaruguru Districts toward Nyungwe National Park.

A reduced amount of rainfall ranging between 20 and 60 mm is expected in eastern parts of Nyagatare and Gatsibo Districts, north eastern parts of Kayonza and southern parts of Kirehe Districts. The remaining parts of the country are expected to record rainfall ranging between 60 and 140 during the month of February 2023. The spatial distribution map bellow shows that rainfall will be increasing from Eastern to Western parts and from Southern to Northern parts of the country due to the position of Inter Tropical Convergence Zone (ITCZ) in the southern hemisphere. Local features such as forests, lakes and topography will also contribute to expected rainfall.

2. Wind Speed forecast

The wind speed distribution as indicated by the map below for the month of February 2023 shows that moderate to strong wind ranging between 4m/s and 10m/s is expected across the country. Many parts of the country are expected to experience slightly strong winds ranging between 6 and 8 m/s (yellow colour) except some localised parts of Musanze, Burera, Karongi, Nyamagabe, Nyaruguru, Kamonyi, Muhanga, Ruhango, Nyanza, Kayonza, Kirehe, Gatsibo and Nyagatare Districts (amber color) that are expected to experience strong wind ranging between 8 and 10 m/s while moderate wind ranging between 4 and 6 m/s (green colour) is expected in localized parts of Ngoma, Kirehe, Nyarugenge, Kicukiro, Kamonyi, Gicumbi, Muhanga, Gakenke, Rutsiro, Nyamasheke and Rusizi Districts. Wind speed is expected to increase compare to previous month of January 2023.

3. Temperature forecast

During the month of February 2023, the maximum temperature is expected to range between 20°C and 30°C. Many parts of Kigali City, Amayaga region, Bugarama plain, Bugesera, Ngoma, Rwamagana, Nyagatare and Gatsibo Districts are expected to experience higher temperature ranging between 28°C and 30°C. Parts of Rubavu, Nyabihu, Musanze, Burera and localized parts of Nyamagabe Districts located in Nyungwe National Park are expected to experience lower temperatures ranging between 20°C and 22°C. The expected temperature will be in the range of Long Term Mean for the month of February 2023.

For more spatial details of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below.

